

CONFIGURATION MIGRATION TOOL

FortiConverter Release Notes

VERSION 5.1.0

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FortiConverter 5.1.0 Release Notes

1st Edition

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Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.1.0, build 0104.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversion of Cisco, Check Point, Juniper, SonicWall, Palo Alto Networks and Alcatel-Lucent Brick configurations. It also supports the conversion of FortiOS to a different FortiOS version.

A trial version is available, which provides full functionality for Fortigate-to-Fortigate tasks. For all other conversions, you can complete a conversion and view the results in the tuning page. All other functionality is disabled until you upload the full license. In most cases, this limited functionality is sufficient to allow you to evaluate the product.

SKU	Description
FC-10-CON01-401-01-12	1-year multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.
FC-10-CON01-401-02-12	1-year renewal multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.



If you do not renew the license, functionality reverts to the trial version.

For additional documentation, please visit:

<http://docs.fortinet.com/forticonverter/>

What's new

The following features are new or enhanced in FortiConverter 5.1.0:

- **Adjust table sizes in output** – You can now configure FortiConverter to allow larger table sizes and group membership in the output configuration. This is useful when the target configuration is for an appliance like the FortiGate 1200D and above, which can accommodate larger groups.
- **Export and import content of the tuning page as a CSV file** – You can now use the tuning page to export converted firewall policies as a comma-separated values (CSV) file, or import firewall policies via a CSV file into the tuning page for viewing and editing.
- **Multiple, smaller output files** – FortiConverter now separates output configuration into multiple files that are easier to work with. The output is split into configuration branches (config system interface, config firewall address, and so on) and when the file is very big (for example, the firewall address configuration is often a large file), the output is further sub-divided into smaller, indexed files.
- **Use unspecified interface type** – On the Physical Interface Mapping page, the Interface Mapping dialog box now allows you to select **unspecified** for **Type**. When you select this option, FortiConverter uses the name in the conversion, but ignores the type and other attributes, which provides a name-to-name mapping without interface configuration.

For example, you can create resources such as VLANs, LAGs, and inter-VDOM links on the target FortiGate device before you import the conversion, and then reference those interfaces in the physical interface mapping.

- **Fortigate conversion**
 - **Migrate using the API** – When you migrate to a new FortiGate model that runs FortiOS 5.4.1 or higher (for example, an E-series device), you can use the FortiOS API to both retrieve the list of interfaces on the target appliance and restore the output configuration to the target appliance directly from FortiConverter.

To allow FortiConverter to use the FortiOS API, use the `config system global` command to enable TLSv1.0 on the target appliance. For more information, see the [FortiConverter User Guide](#).

- **Check Point conversion**
 - **IPv6 support for Provider-1 conversions** – FortiConverter now generates separate policies for IPv4 and IPv6 address objects in the output configuration.
 - **Select NAT types to convert** – You can now specify which types of NAT FortiConverter merges with the output firewall policies, or whether FortiConverter performs NAT merge based on object names or values.
- **Cisco conversion**
 - **Select NAT types to convert** – You can now specify which types of NAT FortiConverter merges with the output firewall policies, or whether FortiConverter performs NAT merge based on object names or values.

System requirements

FortiConverter is designed to run on the following Microsoft Windows platforms:

- Microsoft Windows 10
- Microsoft Windows 8 (32-bit or 64-bit)
- Microsoft Windows 7 (32-bit or 64-bit)
- Microsoft Windows Server 2008 (32-bit or 64-bit)

Supported versions and conversions

Vendor	Models	Versions	Convertible objects
Alcatel-Lucent	Brick	ALSMS v9.x	Addresses & Address Books Interfaces (physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
	SmartCenter	NG FP1 (4.0) to NGX R77	Addresses & Address Groups Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT (Automatic & Rule) Negate Cell Policies (rulebases.fws) RADIUS, TACACS+, & LDAP
Check Point	Provider-1	NGX R65 to R77	Rules Schedules Services & Service Groups Static routes VPN (IPSec)
	PIX ASA FWSM	4.x to pre-8.3, 8.3 and later, 9.x	ACLs Addresses & Address Groups DHCP Servers DNS Servers Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools
Cisco	IOS	10.x to 12.x 15.x	Local Users & Groups NAT (including Object NAT and Double NAT) RADIUS, TACACS+, & LDAP Services & Service Groups Static Routes Time Ranges VPN (IPSec, PPTP/L2TP, EZVPN)

Vendor	Models	Versions	Convertible objects
Juniper	SSG	ScreenOS 5.x, 6.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) Static Routes Services & Service Groups Policies VIPs/MIPs NAT IP Pools VPN (IPSec, PPTP/L2TP) Local Users & Groups RADIUS & LDAP Zones
	SRX	Junos OS 10.x to 12.x	Addresses & Address Groups & FQDNs DHCP Servers & Client & Relay Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools Local Users & Groups NAT Policies RADIUS & LDAP Services & Service Groups Static Routes VIPs/MIPs VPN (IPSec, PPTP/L2TP) Zones
Palo Alto Networks	PA	PAN-OS 1.x to 6.x	Addresses & Address Groups & FQDNs Interfaces Local Users & Groups NAT (partial) Policies Schedules Static Routes Services & Service Groups Zones
SonicWall	NSA Serials	SonicOS Enhanced 5.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT Policies Schedules Services & Service Groups Static Routes Zones

Upgrading

The FortiConverter installation process creates a desktop shortcut you can use to open the product.

If you installed a version earlier than 5.0 and install version 5.0 or later, the FortiConverter installer does not replace the old shortcut icon with the new icon used for version 5.0 or later. (This does not affect FortiConverter functionality in any way.)

To change to the new desktop icon, before you install the later version, either uninstall the earlier version of FortiConverter or delete the desktop icon.

Resolved issues

The resolved issues listed below do not list every bug that has been corrected with this release. For inquiries about a particular bug, please contact [Fortinet Customer Service & Support](https://support.fortinet.com):

<https://support.fortinet.com>

Resolved issues

Bug ID	Description
376335	Junos SRX conversion administrator user
376313	Additional miscellaneous Junos SRX conversion issues
376294	Junos SRX conversion IPv6 firewall policy
377136	Converted ASA FQDN object has IP version as FQDN name
375081	Duplicate VIP name in ScreenOS condition NAT
376172	Juniper SRX conversion issues
289998	Convert 4.x to 5.x: ips-DoS-status and ips-DoS in firewall interface-policy are not converted correctly
290000	Convert 4.x to 5.x: spamemailbwl in spamfilter options should be spambwl
289995	Convert 4.x to 5.x: FortiConverter adds unnecessary lines to firewall profile-protocol-option
366157	Juniper address object conversion should include zone information
369959	ScreenOS address object conversion with associated-interface output
370052 366548 366550	Cannot convert Juniper ScreenOS policy with mapped IP (MIP) destination address to FortiGate policy
369329	Error when converting Cisco ASA Version 8.6 configuration to FortiGate 5.2
371349	SonicWall conversion errors
372756	Create a service object with multiple TCP/UDP ports instead of a service group
367085	ScreenOS conversion cannot correctly handle management IPs
370005	Session helpers for ScreenOS applications

Bug ID	Description
369859	Support larger table sizes for conversions to high-end FortiGates
291737	Check Point matches NAT against last match and not first hide NAT
370878	DCE/RPC and ICMPv6 objects are not converted (_Service_Null instead)
372870	FortiConverter crashes when retrieving network time
372669	Use TCP connection to test the proxy setting
372395	Cisco FWSM conversion error: firewall address name lost
372468	Conversion output file header format issue: conversion options are incorrect
373472	IPv4 and IPv6 polices and objects are grouped together in Check Point
373474	FortiConverter creates object names that are too long
373068	Converter engine generates exception
303997	Error when converting Cisco ASA
371007	Check Point address group not converted, incorrect comment, and unreferenced firewall objects are not discarded
371616	Juniper ScreenOS IPsec VPN conversion issues
370616	Juniper ScreenOS conversion does not map HA interfaces
370988	Check Point Provider-1 conversion generates firewall policy with invalid CLI command set _scope
368836	Check Point conversion generates _Service_Null object
369534	Display conversion progress as a percentage and separate conversion output into multiple files
370883	For Check Point Provider-1 conversion, policies from other Customer Management Add-Ons (CMAs) appear in the policies to selected for a specific CMA
370876	Multicast address being converted incorrectly
366808	Cisco ASA IPsec profiles prevent conversion from completing
366761	Cisco NAT control conversion is not accurate
366733	Issues converting Cisco PIX static NAT and NAT exemption
369175	Static routes are not converted to FortiGate

Bug ID	Description
303993	Application crashes during ScreenOS conversion
303999	Application crashes during Check Point R77 conversion (FortiConverter 4.8)
304000	Minor ScreenOS conversion issues
365385	Cannot convert SonicWALL configuration file
303995	Issues migrating VDOMs
304001	Issues converting Check Point to FortiOS
367556	Cisco 8.2 VPN proposals are not correctly converted
299964	IP pool conversion error
298945	Error when converting Check Point configuration with static NAT policy
303998	Convert large local user groups in Check Point
268895	Cisco FWSM conversion does not assign interface
261778	Only first Cisco crypto map peer is converted
367383	User cannot log in after FortiGate migration
365323	Split policies that use "any" or multiple interfaces as source or destination into individual policies
369023	Cisco PIX ACL outgoing interface auto calculation error
366790	Check Point manual NAT rule conversion does not set original destination address into FortiGate NAT policy
368773	Improve Cisco NAT merge by considering the overlap between ACL's outgoing interface and NAT interfaces
376301	Junos SRX conversion IPv6 interface address
376300	Miscellaneous Junos SRX conversion issues
376299	Junos SRX conversion IPv6 service objects
376293	Junos SRX conversion IPv6 address objects
377687	Undefined service object "SKIP"
377694	Undefined dstinft object "outside_map_30000_outside_map_dynamic_1" in ASA conversion

Bug ID	Description
378873	For ScreenOS, the VLAN IDs should be sourced from the names of the interfaces
376297	Junos SRX conversion IPv6 static route

Known issues

The issues listed below do not include every known bug. For inquiries about a particular bug, please contact [Fortinet Customer Service & Support](#):

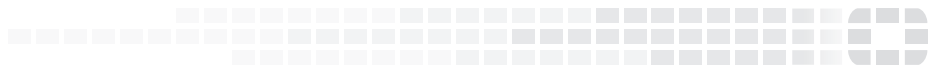
<https://support.fortinet.com>

Known issues

Bug ID	Description
377624	FortiConverter software update feature cannot use the existing HTTP proxy settings
376947	Cannot convert Palo Alto IPSecVPN configuration to FortiGate
377705	ScreenOS conversion has undefined service objects
366233	Convert older FortiGate versions (3.0, 4.2) to version 5.0.12



High Performance Network Security



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